

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



strict: Kolasib Period: 6-10 September, 2014

Bulletin No: -447/2014/ Bulletin/English

	10.5%	E-C			
Parameters	06-09-2014	07-09-2014	08-09-2014	09-09-2014	10-09-2014
Rainfall (mm)	3	15	9	6	0
Max Temp (oC)	32	32	33_	32	31
Min Temp (oC)	21	22	21	21	21
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly clear	Mainly clear	Mainly clear
Max RH (%)	99	99	99	99	99
Min RH (%)	82	77	75	73	76
Wind Speed (KmpH)	2	2	2	2	3
Wind Direction	E	E	E	S	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 372.1mm (19.16)

Champhai- 329.7mm (-28.00)

Mamit-376.0 mm (-20.69)

Aizawl-378.0mm (7.33)

Dated: 5th September, 2014

Serchhip- 166.7 mm (-32.04)

(-64.68)

Lawngtalia- 365.4 mm Lunglei- 371.4 mm (-16.55)

Chhimtuipui- 367.8 mm (-32.04)

Weather summary of the past three days

The temperature range for maximum and minimum were 29.0-30.0°C and respectively. $22.2-23.5^{\circ}$ C Mainly Cloudy weather was observed. Wind direction is northeasterly. Maximum RH observed 70-84% & minimum of 33-29%. Rainfall recorded for the past

Stage

three days is 171.2 mm. Main Crop/

Animal

/Fisheries

Khasi

Mandarin

Cultural practices/ Pest/ Diseases SAIHA

Canker

Weather forecast valid from 06th September, 2014 To 10th September, 2014.

There is a chance of moderate to light rainfall during the next 4 day. The maximum and minimum temperatures for the next 5 days may range for 31-33°C and 21-22°C. Maximum relative humidity is expected in the range of 99% and minimum may from 73-82%. Wind direction would be southeasterly with the wind speed of 2-3 km per hour. Moderate cloudy sky weather will prevail during the next five days.

Weekly cumulative rainfall: 33.0mm

Agricultural / Horticultural / animal husbandry advisories

• Prune the diseased and dead twigs. • Wound dressing with Bordeaux paste and

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Vegetative stage



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			mulch with dry grass to conserve moisture
		1	and suppress the growth of weed.
			• For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.
	3 1	1	• Excess water removes from the base of the
		Variation 1	plant.
Banana	Vegetative/	KOLASIB	Remove water sucker, keep 1 or 2 plants in a
Danana	harvesting	LA.	single place.
	nai vesting	3 1 /	✓ Remove sword sucker and use it as new
	(planting material.
	1		✓ Excess water removes from the base of the
	J	/ 3	plant.
	7 MAMIT		✓ Fertilizer application in split dose of
	6	1.17.000	recommended dose.
		AIZAVVL	✓ Harvest fruits when the flower tips of the
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1	fruit dehiscent.
Pineapple	Vegetative stage		o Clean the vicinity of plants by weeding and
	\	() >0	loosen up the soil.
	1		o Remove slips and use it as a new planting
	12		material.
		SERCHI	Sucker dipping treatment with Bavistin @
		V 1-3	3g + Chloropyriphos @ 1 g/lt of water to
	The state of the s	5	protect against soil borne disease and
			insect.
Cucurbits	Vogototivo stago	1000 C 10	 Weeding and intercultural operation. Nursery raising for offseason cucurbits.
Cucurbits	Vegetative stage	LUNGLEI	
	1	Damping off	✓ Seed treatment with thiram 3g/kg seed or
	L.	~ 8×	Trichoderma viride 4g+ metalaxyl 4g
	3-11		(Apron)/ kg seed
		() () () () () ()	Drenching 1% Bordeaux mixture or 2 g
		8 1 5 7 3	captan or 3 copper oxychloride/ lt of water
D : 1 1	T 7 4 4 • 4		at 10-15 DAS are effective.
Brinjal	Vegetative stage		Weeding near the plant
		LAWNGTLAN	Fertilizer application in split dose of recommended dose.
		/ SAIH	 Draining of excess water and preparation
			mound near the base.
		Disease:	o Seed treatment with captan, thiram or
	1	Z.Seupe.	2 2500 troutilent with cuptain, till of

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		Da <mark>m</mark> ping off-	chlorothalonil will effectively control this
			disease.
		Pest:	 Sulfur fungicides can be used to control
	- \ \ \ \ \	Mites and hoppers-	this pest.
Cowpea	Vegetative stage	KOLASIB	 Trilling into bower structure. Weeding near the plant Draining of excess water and preparation mound near the base.
	\$	Sca <mark>b and leaf blig</mark> ht disease	✓ Use of resistant varieties.
Early Cole crop	Nursery stage	Land preparation	 ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. ♣ Raised bed, nursery bed solarisation. ♣ Bed should be 1m width and conventional length. ♣ Application of FYM (1.5-2.0 kg/ m²) ♣ Line sowing of seeds (7-10cm)
		Damping off SERCHH	captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @100g/m² in nursery is quite effective.
Ginger & Turmeric	Vegetation stage	LUNGLEI	✓ Weeding in turmeric and ginger field.
		Leaf spot and leaf blotch	 Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.
Maize	Flowering stage	LAWNGTLAN	✓ Weeding in maize plot✓ Topdressing with urea fertilizer.
		Pest: SAIHA Corn earworm	

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			- Crop rotation with leguminous crop.
		Birds	- Reflecting tape poly propylene metallic
	5	1	shine tape and the other silver that reflects sunlight causing flashing effect is effective
	1 1-2	5	in scaring birds.
		KOLASIB	- Automatic acetylene exploders or birds
	1		scaring gun that produce periodically loud
	1	(A)	noise have been suggested.
Rice	Flowering Stage		✓ One hand weed will require.
	1	STATE	✓ Application of split dose of Urea.
		Rice Stem borer	Destroy egg masses.
	3 MAMIT		 Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
	8	Gundhi bug	Spray monocrotophos 36 WSC @ 1.5 ml/lt
		A	or endosulfan 35 EC @ 1.5 ml/ml
)	1	• Insecticide application should be done if the
	4		population reaches ETL of 1 nymph or
) &	Leaf blast	adult/ hill. Judicious application of nitrogenous
	1 5	Lear brast	Judicious application of nitrogenous fertilizer.
		SERCHHI	
		V-7	or edifenphos @ 1ml/lt when first symptom
	1		are notice.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	12
	-	Syndrome (PRRS).	T.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
		A	months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every 6
	T 7	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
			Primary vaccination 6 month or above
Doultwr	A dult atoms	Danible Disease	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat
	Larry stage	Cocciuiosis	1. Timpronum of coccidiosiai

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LAWNGTLAL

SAIHA

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Dated: 5th September, 2014

District: Chhimtuipui Period: 6-10 September, 2014

Bulletin No: -447/2014/ Bulletin/English

Parameters	06-09-2014	07-09-2014	08-09-2014	09-09-2014	10-09-2014
Rainfall (mm)	0	0	5	13	7
Max Temp (oC)	30	30	33_	30	29
Min Temp (oC)	20	20	20	20	19
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly clear	Mainly clear	Mainly clear
Max RH (%)	100	100	99	100	99
Min RH (%)	78	78	65	78	64
Wind Speed (KmpH)	3	4	3	2	3
Wind Direction	E	E	E	S-E	E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Champhai- 329.7mm Aizawl-378.0mm Kolasib- 372.1mm **Mamit-376.0** mm (-28.00)(7.33)(19.16)(-20.69)

Serchhip- 166.7 mm Lawngtalia- 365.4 mm Lunglei- 371.4 mm Chhimtuipui- 367.8 mm (-32.04)(-64.68)(-16.55)(-32.04)

Weather sum	mary of the p <mark>ast</mark>	Weather forecast valid from 06 th September, 2014 To 10 th			
thre	e days		September, 2014.		
		There is a chance of moderate to light rainfall during the next 3 day. The maximum and minimum temperatures for the next 5 days may range for 29-33°C and 19-20°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 64-78%. Wind direction would be southeasterly with the wind speed of 2-4 km per hour. Moderate cloudy sky weather will prevail during the next five days.			
		Weekl	y cumulative rainfall: 25.0mm		
Main Crop/	Stage	Cultural practices/	Agricultural / Horticultural/ animal		
Animal		Pest/ Diseases	husbandry advisories		
/Fisheries		SAIHA	\		
Khasi	Vegetative stage	Canker	 Prune the diseased and dead twigs. 		
Mandarin			• Wound dressing with Bordeaux paste and		

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• Wound dressing with Bordeaux paste and

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			mulch with dry grass to conserve moisture
			and suppress the growth of weed.
			• For canker, spray streoptomycin 2g +
	3 1	1	copperoxycholoride 8 g /10 lt of water. • Excess water removes from the base of the
		Vi rozanienia i	
Banana	Vogototivol	KOLASIB	plant. ✓ Remove water sucker, keep 1 or 2 plants in a
Danana	Vegetative/ harvesting	A.	single place.
	nai vesting	3 1 /	✓ Remove sword sucker and use it as new
	7		planting material.
	1	3 2	✓ Excess water removes from the base of the
	J	1	plant.
	2 MAMIT		✓ Fertilizer application in split dose of
	A Marketon	1	recommended dose.
		AIZAVVL	✓ Harvest fruits when the flower tips of the
	\	5	fruit dehiscent.
Pineapple	Vegetative stage		o Clean the vicinity of plants by weeding and
••			loosen up the soil.
	1 6		o Remove slips and use it as a new planting
			material.
		SERCHI	Tr 8
		V	3g + Chloropyriphos @ 1 g/lt of water to
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		protect against soil borne disease and
			insect,
			Weeding and intercultural operation.
Cucurbits	Vegetative stage	LUNGLEI	Nursery raising for offseason cucurbits.
		Damping off	✓ Seed treatment with thiram 3g/kg seed or
	V.	5	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
	11		✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
		1 5 4	at 10-15 DAS are effective.
Brinjal	Vegetative stage	1	Weeding near the plant
		LAWNGTLAL	Fertilizer application in split dose of
		SAIH	recommended dose.
			 Draining of excess water and preparation
		D'	mound near the base.
		Disease:	Seed treatment with captan, thiram or

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		Damping off-	chlorothalonil will effectively control this
			disease.
		Pest:	o Sulfur fungicides can be used to control
	15 1	Mites and hoppers-	this pest.
Cowpea	Vegetative stage	2	♣ Trilling into bower structure.
_		KOLASIB	Weeding near the plant
	1	1 110000	Draining of excess water and preparation
		LAN.	mound near the base.
	(Sca <mark>b and leaf blig</mark> ht	✓ Use of resistant varieties.
	f	disease	
Early Cole crop	Nursery stage	Land preparation	✓ Nursery preparation for cabbage,
			cauliflower, broccoli and knolkhol.
	7 MAMIT	()	Raised bed, nursery bed solarisation.
	5	AIZAVIL	♣ Bed should be 1m width and
		(WIEDLIE)	conventional length.
		1	♣ Application of FYM (1.5-2.0 kg/ m²)
	1		♣ Line sowing of seeds (7-10cm)
		Damping off	✓ Seed treatment with thiram 3g/kg seed or
	1 6		Trichoderma viride 4g+ metalaxyl 4g
	1)		(Apron)/ kg seed
		SERCHHI	8 - 11 - 11 - 11 - 11
		V	captan or 3 copper oxychloride/ lt of water
	(L.	at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @100g/m² in
			nursery is quite effective.
Ginger &	Vegetation stage	LUNGLEI	✓ Weeding in turmeric and ginger field.
Turmeric		ALCONOL EXCHANGE	<u></u>
		Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of
	7	blotch	water or Bavistin @ 1g/litre of water, 2-3
			sprayings should be given forthnightly
		190	intervals.
			Spraying of Blitox @ 3 g/l of water was
7.7.		V V	found effective against leaf spot.
Maize	Flowering stage	L. AMERICA AND A	✓ Weeding in maize plot
		LAWNGTLAN	✓ Topdressing with urea fertilizer.
		Pest: SAIHA	in car worm camage occurs, empror the up
		Corn earworm	of the ear and any affected kernels. The rest
			of should be fine to eat.

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			- Crop rotation with leguminous crop.
	57	Birds	- Reflecting tape poly propylene metallic shine tape and the other silver that reflects sunlight causing flashing effect is effective in scaring birds.
		KOLASIB	- Automatic acetylene exploders or birds scaring gun that produce periodically loud noise have been suggested.
Rice	Flowering Stage	$\leftarrow 1$	✓ One hand weed will require.✓ Application of split dose of Urea.
	} MAMIT	Rice Stem borer	 Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
		Gundhi bug	 Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml Insecticide application should be done if the population reaches ETL of 1 nymph or adult/ hill.
		Leaf blast SERCHHI	 Judicious application of nitrogenous fertilizer. Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccid iosis	Amprolium or coccidiostat

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District: Champhai Period: 6-10 September, 2014

Bulletin No: -447/2014/ Bulletin/English

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Min Temp (oC)	20	20	19	20	19
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Max RH (%)	100	100	99	100	100
Min RH (%)	78	83	63	66	74
Wind Speed (KmpH)	2	2	2	2	2
Wind Direction	N-E	N-E	E	S-E	S

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

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Weather sum	mary of the past	Weather forecast valid from 06 th September, 2014 To 10 th		
thre	e days		September, 2014.	
There is a chance of moderate to light rainfall during the maximum and minimum temperatures for the next 5 days 29-31°C and 19-20°C. Maximum relative humidity is range of 99-100% and minimum may from 63-83% would be southeasterly with the wind speed of 2 km per cloudy sky weather will prevail during the next five days		Maximum relative humidity is expected in the minimum may from 63-83%. Wind direction with the wind speed of 2 km per hour. Moderate		
Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories	
Khasi Mandarin	Vegetative stage	Canker	 Prune the diseased and dead twigs. Wound dressing with Bordeaux paste and 	

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			mulch with dry grass to conserve moisture
			and suppress the growth of weed.
			• For canker, spray streoptomycin 2g +
	7 /	5	copperoxycholoride 8 g /10 lt of water.
			• Excess water removes from the base of the
		KOLASIB	plant.
Banana	Vegetative/		Remove water sucker, keep 1 or 2 plants in a
	harvesting	HP's	single place.
	5		✓ Remove sword sucker and use it as new
	1		planting material.
		5	✓ Excess water removes from the base of the
	· ·		plant.
	7 MAMIT	1	✓ Fertilizer application in split dose of
	4	AIZAVIL	recommended dose.
			✓ Harvest fruits when the flower tips of the
			fruit dehiscent.
Pineapple	Vegetative stage	3 6. (o Clean the vicinity of plants by weeding and
		1 3 20	loosen up the soil.
			o Remove slips and use it as a new planting
	1.1	-	material.
		SERCH	Sucker dipping treatment with Bavistin @
		M. Land	3g + Chloropyriphos @ 1 g/lt of water to
		<u></u>	protect against soil borne disease and
			insect.
			o Weeding and intercultural operation.
Cucurbits	Vegetative stage	LUNGLEI	Nursery raising for offseason cucurbits.
	1	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		5%	Trichoderma viride 4g+ metalaxyl 4g
		A I	(Apron)/ kg seed
			✓ Drenching 1% Bordeaux mixture or 2 g
	2	700	captan or 3 copper oxychloride/ lt of water
		1 63 4	at 10-15 DAS are effective.
Brinjal	Vegetative stage		❖ Weeding near the plant
	-	LAMBETTAL	❖ Fertilizer application in split dose of
		LAWNGTLAL	recommended dose
		SAIR	 Draining of excess water and preparation
			mound near the base.
		Disease:	Seed treatment with captan, thiram or

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		Damping off-	chlorothalonil will effectively control this
		- JP8 v	disease.
		Pest:	o Sulfur fungicides can be used to control
	()	Mites and hoppers-	this pest.
Cowpea	Vegetative stage	2	♣ Trilling into bower structure.
•		KOLASIB	Weeding near the plant
	· ·	1,000,000	Draining of excess water and preparation
	3)	W.	mound near the base.
	ζ.	Sca <mark>b and leaf blig</mark> ht	✓ Use of resistant varieties.
	(disease	
Early Cole crop	Nursery stage	Land preparation	✓ Nursery preparation for cabbage,
	· ·		cauliflower, broccoli and knolkhol.
	7 MAMIT	1	Raised bed, nursery bed solarisation.
	5	AIZAVIL	Bed should be 1m width and
		Cultification 1	conventional length.
)	♣ Application of FYM (1.5-2.0 kg/ m ²)
	1		♣ Line sowing of seeds (7-10cm)
		Damping off	✓ Seed treatment with thiram 3g/kg seed or
	1 (Trichoderma viride 4g+ metalaxyl 4g
	12	F	(Apron)/ kg seed
		SERCHHI	✓ Drenching 1% Bordeaux mixture or 2 g
	No.		captan or 3 copper oxychloride/ lt of water
	1		at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @100g/m² in
G! 0			nursery is quite effective.
Ginger &	Vegetation stage	LUNGLEI	Weeding in turmeric and ginger field.
Turmeric		T 6 4 11 6	G : D':1 N. 1. 5 O O T A': C
		Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of
		blotch	water or Bavistin @ 1g/litre of water, 2-3
			sprayings should be given forthnightly
		7 (intervals.
		1 6 4	o Spraying of Blitox @ 3 g/l of water was
Maize	Flowering stage	1	found effective against leaf spot. ✓ Weeding in maize plot
MINIZE	riowering stage	LAWNGTLAN	✓ Weeding in maize plot ✓ Topdressing with urea fertilizer.
		Pest: SAIHA	
		Corn earworm	of the ear and any affected kernels. The rest
		Corn car worm	of the ear and any affected kerners. The rest
			of should be fine to cat.

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			- Crop rotation with leguminous crop.
		Birds	- Reflecting tape poly propylene metallic
	57		shine tape and the other silver that reflects sunlight causing flashing effect is effective in scaring birds.
		KOLASIB	- Automatic acetylene exploders or birds scaring gun that produce periodically loud
		(AP)	noise have been suggested.
Rice	Flowering Stage		✓ One hand weed will require.✓ Application of split dose of Urea.
	} MAMIT	Rice Stem borer	 Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
		Gundhi bug	 Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml Insecticide application should be done if the population reaches ETL of 1 nymph or adult/ hill.
	8	Leaf blast SERCHHI	 Judicious application of nitrogenous fertilizer. Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccid iosis	1. Amprolium or coccidiostat

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LAWNGTLAL

SAIHA

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Dated: 5th September, 2014

District: Aizawl Period: 6-10 September, 2014

Bulletin No: -447/2014/ Bulletin/English

	10.5%				
Parameters	06-09-2014	07-09-2014	08-09-2014	09-09-2014	10-09-2014
Rainfall (mm)	4	21	11	8	0
Max Temp (oC)	31	31	33_	32	30
Min Temp (oC)	20	20	19	20	19
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly clear	Mainly clear	Mainly clear
Max RH (%)	100	100	100	100	100
Min RH (%)	80	81	71	73	75
Wind Speed (KmpH)	2	2	2	3	3
*Wind Direction	E	N-E	E	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 372.1mm Champhai- 329.7mm Mamit-376.0 mm Aizawl-378.0mm (19.16) (-28.00) (-20.69) (7.33)

Serchhip- 166.7 mm Lawngtalia- 365.4 mm Lunglei- 371.4 mm Chhimtuipui- 367.8 mm (-32.04) (-64.68) (-16.55) (-32.04)

Weather forecast valid from 06th September, 2014 To 10th Weather summary of the past three days September, 2014. There is a chance of moderate to light rainfall during the next 4 day. The maximum and minimum temperatures for the next 5 days may range for 30-33°C and 19-20°C. Maximum relative humidity is expected in the range of 100% and minimum may from 71-81%. Wind direction would be southeasterly with the wind speed of 2-3 km per hour. Moderate cloud cover will prevail during the next five days. Weekly cumulative rainfall: 44.0 mm Main Crop/ Cultural practices/ Agricultural / Horticultural / animal Stage Animal Pest/ Diseases husbandry advisories /Fisheries SAIHA Khasi Vegetative stage Canker Prune the diseased and dead twigs.

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• Wound dressing with Bordeaux paste and

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Mandarin



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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



			mulch with dry grass to conserve moisture and suppress the growth of weed.
			• For canker, spray streoptomycin 2g +
	7 /	1 3	copperoxycholoride 8 g /10 lt of water.
			• Excess water removes from the base of the
		KOLASIB \	plant.
Banana	Vegetative/ harvesting	La	Remove water sucker, keep 1 or 2 plants in a single place.
	nai vesting	3 4 /	✓ Remove sword sucker and use it as new
	7		planting material.
	1	3 5	✓ Excess water removes from the base of the
		3	plant.
	2 MAMIT		✓ Fertilizer application in split dose of
	2	1	recommended dose.
	30	AIZAWL	✓ Harvest fruits when the flower tips of the
			fruit dehiscent.
Pineapple	Vegetative stage	(Clean the vicinity of plants by weeding and
Тисарыс	vegetative stage	1 585	loosen up the soil.
) 6		o Remove slips and use it as a new planting
	(((material.
		SERCHH	Sucker dipping treatment with Bavistin @
		V	3g + Chloropyriphos @ 1 g/lt of water to
	(protect against soil borne disease and
		7	insect.
			o Weeding and intercultural operation.
Cucurbits	Vegetative stage	LUNGLEI	Nursery raising for offseason cucurbits.
	1	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		25	Trichoderma viride 4g+ metalaxyl 4g
	E-3)		(Apron)/ kg seed
		2 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
		1 63 9	at 10-15 DAS are effective.
Brinjal	Vegetative stage	1	Weeding near the plant
		LAWNGTLAN	Fertilizer application in split dose of
		F SAIHA	recommended dose.
		E(1.	 Draining of excess water and preparation
		D.	mound near the base.
		Disease:	Seed treatment with captan, thiram or
		The state of the s	J. Company of the Com

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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



		Da <mark>mp</mark> ing off-	chlorothalonil will effectively control this
			disease.
		Pest:	 Sulfur fungicides can be used to control
	7.7	Mites and hoppers-	this pest.
Cowpea	Vegetative stage	5	Trilling into bower structure.
		KOLASIB	Weeding near the plant
	4		♣ Draining of excess water and preparation
	.)	W.	mound near the base.
	5	Sca <mark>b and leaf blig</mark> ht	✓ Use of resistant varieties.
		disease	
Early Cole crop	Nursery stage	Land preparation	✓ Nursery preparation for cabbage,
			cauliflower, broccoli and knolkhol.
	7 MAMIT	1	Raised bed, nursery bed solarisation.
	5	AIZAVIL 1	Bed should be 1m width and
		A comment of	conventional length.
)	1	Application of FYM (1.5-2.0 kg/ m ²)
	1		Line sowing of seeds (7-10cm)
		Damping off	✓ Seed treatment with thiram 3g/kg seed or
	1		Trichoderma viride 4g+ metalaxyl 4g
	12		(Apron)/ kg seed
		SERCHH	Distriction of a grant with the state of a g
	N N	V 1-7	captan or 3 copper oxychloride/ lt of water
	1	1.0	at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @100g/m² in
G! 0	T 7 1 1		nursery is quite effective.
Ginger & Turmeric	Vegetation stage	LUNGLEI	✓ Weeding in turmeric and ginger field.
	7	Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of
		blotch	water or Bavistin @ 1g/litre of water, 2-3
		13	sprayings should be given forthnightly
		197	intervals.
			Spraying of Blitox @ 3 g/l of water was
			found effective against leaf spot.
Maize	Flowering stage	1	✓ Weeding in maize plot
		LAWNGTLA	✓ Topdressing with urea fertilizer.
		Pest: SAIHA	in car worm damage occurs, empp on the up
		Corn earworm	of the ear and any affected kernels. The rest
		1 22	of should be fine to eat.
		Ed Maria	

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			- Crop rotation with leguminous crop.
	5	Birds	- Reflecting tape poly propylene metallic shine tape and the other silver that reflects sunlight causing flashing effect is effective in scaring birds.
	}	KOLASIB	 Automatic acetylene exploders or birds scaring gun that produce periodically loud noise have been suggested.
Rice	Flowering Stage		✓ One hand weed will require.✓ Application of split dose of Urea.
	MAMIT	Rice Stem borer	 Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
		Gundhi bug	 Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml Insecticide application should be done if the population reaches ETL of 1 nymph or adult/ hill.
	1	Leaf blast SERCHHI	 Judicious application of nitrogenous fertilizer. Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat

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LAWNGTLAL

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Dated: 5th September, 2014

District: Serchhip Period: 6-10 September, 2014

Bulletin No: -447/2014/ Bulletin/English

Parameters	06-09-2014	07-09-2014	08-09-2014	09-09-2014	10-09-2014
Rainfall (mm)	3	5	9	6	0
Max Temp (oC)	32	32	34	33	29
Min Temp (oC)	20	19	18	20	18
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly clear	Mainly clear	Mainly clear
Max RH (%)	100	100	100	100	100
Min RH (%)	64	84	48	59	65
Wind Speed (KmpH)	2	4	2	2	2
Wind Direction	N-E	N-E	E	S	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 372.1mm Champhai- 329.7mm Mamit-376.0 mm Aizawl-378.0mm (19.16) (-28.00) (-20.69) (7.33)

Serchhip- 166.7 mm Lawngtalia- 365.4 mm Lunglei- 371.4 mm Chhimtuipui- 367.8 mm (-32.04) (-64.68) (-16.55) (-32.04)

		The state of the s	1
Weather sum	mary of the p <mark>ast</mark>	Weather forecast	valid from 06 th September, 2014 To 10 th
thre	e days		September, 2014.
		There is a chance of light rainfall during the next 4 day. The maximum and minimum temperatures for the next 5 days may range for 29-34°C and 18-20°C. Maximum relative humidity is expected in the range of 100% and minimum may from 48-84%. Wind direction would be northeasterly with the wind speed of 2-4 km per hour. Dense cloudy sky weather will prevail during the next five days. *Weekly cumulative rainfall: 23.0mm*	
Main Crop/	Stage	Cultural practices/	Agricultural / Horticultural/ animal
Animal		Pest/ Diseases	husbandry advisories
/Fisheries		F SAIHA	A
Khasi	Vegetative stage	Canker • Prune the diseased and dead twigs.	
Mandarin			Wound dressing with Bordeaux paste and

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		A	mulch with dry grass to conserve moisture and suppress the growth of weed.
		1	
			• For canker, spray streoptomycin 2g +
	7 1	1	copperoxycholoride 8 g /10 lt of water.
		Vi managaran I	• Excess water removes from the base of the
		KOLASIB \	plant.
Banana	Vegetative/ harvesting	la S	✓ Remove water sucker, keep 1 or 2 plants in a single place.
	(3 -1 /	✓ Remove sword sucker and use it as new
	¥		planting material.
	1		✓ Excess water removes from the base of the
	J		plant.
	TIMAMIT		✓ Fertilizer application in split dose of
	110000000	1	recommended dose.
		AIZAVVL	✓ Harvest fruits when the flower tips of the
		5	fruit dehiscent.
Pineapple	Vegetative stage		o Clean the vicinity of plants by weeding and
• •		(4 1) 70	loosen up the soil.
	1		o Remove slips and use it as a new planting
			material.
		SERCHH	Sucker dipping treatment with Bavistin @
		VEN	3g + Chloropyriphos @ 1 g/lt of water to
	()	L.	protect against soil borne disease and
			insect.
			Weeding and intercultural operation.
Cucurbits	Vegetative stage	LUNGLEI	Nursery raising for offseason cucurbits.
		Damping off	✓ Seed treatment with thiram 3g/kg seed or
	V	1 0	Trichoderma viride 4g+ metalaxyl 4g
		A / Z	(Apron)/ kg seed
	11		✓ Drenching 1% Bordeaux mixture or 2 g
		100 6	captan or 3 copper oxychloride/ lt of water
		1 63 4	at 10-15 DAS are effective.
Brinjal	Vegetative stage		❖ Weeding near the plant
		LAWNGTLAL	❖ Fertilizer application in split dose of
		SAIHA	recommended dose.
		(SAIHA	 Draining of excess water and preparation
			mound near the base.
		Disease:	Seed treatment with captan, thiram or

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		Da <mark>mpi</mark> ng off-	chlorothalonil will effectively control this
			disease.
		Pest:	o Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Vegetative stage	()	Trilling into bower structure.
	250	KOLASIB \	Weeding near the plant
	1		♣ Draining of excess water and preparation
		(A/S)	mound near the base.
	\$	Sca <mark>b and leaf blig</mark> ht	✓ Use of resistant varieties.
		disease	
Early Cole crop	Nursery stage	Land preparation	✓ Nursery preparation for cabbage,
	E.	/	cauliflower, broccoli and knolkhol.
	7 MAMIT	V).	Raised bed, nursery bed solarisation.
	5	AIZAVIL	♣ Bed should be 1m width and
		Cultural	conventional length.
	\	5	♣ Application of FYM (1.5-2.0 kg/ m²)
	3	1	Line sowing of seeds (7-10cm)
	1	Damping off	✓ Seed treatment with thiram 3g/kg seed or
) 6		Trichoderma viride 4g+ metalaxyl 4g
	() ()		(Apron)/ kg seed
		SERCHH	
		V~	captan or 3 copper oxychloride/ It of water
		1	at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @100g/m² in
	J	Wastara sawiiy	nursery is quite effective.
Ginger &	Vegetation stage	DIAMES EX	✓ Weeding in turmeric and ginger field.
Turmeric	vegetation stage	LUNGLEI	weeding in turnieric and ginger ricid.
Turmeric		Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of
		blotch	water or Bavistin @ 1g/litre of water, 2-3
	3-3	bioten	sprayings should be given forthnightly
	<u></u>		intervals.
			o Spraying of Blitox @ 3 g/l of water was
		1 53 4	1 7 8
Maina	Elamanin a sta sa	V	found effective against leaf spot.
Maize	Flowering stage	LAWNGTLAL	✓ Weeding in maize plot
		The Late of the Contract of th	✓ Topdressing with urea fertilizer.
		Pest: SAIHA	if car worm damage occurs, empp our the up
		Corn earworm	of the ear and any affected kernels. The rest
			of should be fine to eat.

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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



			- Crop rotation with leguminous crop.
	57	Birds	- Reflecting tape poly propylene metallic shine tape and the other silver that reflects sunlight causing flashing effect is effective in scaring birds.
n.		KOLASIB	- Automatic acetylene exploders or birds scaring gun that produce periodically loud noise have been suggested.
Rice	Flowering Stage	$\leftarrow 1$	✓ One hand weed will require.✓ Application of split dose of Urea.
	} MAMIT	Rice Stem borer	 Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
		Gundhi bug	 Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml Insecticide application should be done if the population reaches ETL of 1 nymph or adult/ hill.
	1	Leaf blast SERCHHI	 Judicious application of nitrogenous fertilizer. Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat

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ICAR RESEARCH COMPLEX FOR NEH REGION

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



Dated: 5th September, 2014

District: Mamit Period: 6-10 September, 2014

Bulletin No: -447/2014/ Bulletin/English

Parameters	06-09-2014	07-09-2014	08-09-2014	09-09-2014	10-09-2014
Rainfall (mm)	0	10	8	5	0
Max Temp (oC)	32	32	33	32	31
Min Temp (oC)	22	22	21	22	21
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly clear	Mainly clear
Max RH (%)	100	100	100	99	100
Min RH (%)	75	75	69	75	73
Wind Speed (KmpH)	2	2	2	4	4
Wind Direction	Е	N-E	E	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 372.1mm Champhai- 329.7mm Mamit-376.0 mm Aizawl-378.0mm (19.16) (-28.00) (-20.69) (7.33)

Serchhip- 166.7 mm Lawngtalia- 365.4 mm Lunglei- 371.4 mm Chhimtuipui- 367.8 mm (-32.04) (-64.68) (-16.55) (-32.04)

Weather forecast valid from 06th September, 2014 To 10th Weather summary of the past three days September, 2014. There is a chance of moderate to light rainfall during the next 3 day. The maximum and minimum temperatures for the next 5 days may range for 31-33°C and 21-22°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 69-75%. Wind direction would be easterly with the wind speed of 2-4 km per hour. Dense cloudy sky weather will prevail during the next five days. Weekly cumulative rainfall: 23.0mm Main Crop/ Cultural practices/ Agricultural / Horticultural / animal Stage Animal Pest/ Diseases husbandry advisories /Fisheries SAIHA Khasi Vegetative stage Canker • Prune the diseased and dead twigs.

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• Wound dressing with Bordeaux paste and

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Mandarin



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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



	mulch with dry grass to conserve moisture
	and suppress the growth of weed.
	• For canker, spray streoptomycin 2g +
	copperoxycholoride 8 g /10 lt of water.
	• Excess water removes from the base of the
KOLASIB	plant.
Banana Vegetative/	Remove water sucker, keep 1 or 2 plants in a
harvesting	single place.
	✓ Remove sword sucker and use it as new
1 5 6	planting material.
	✓ Excess water removes from the base of the
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	plant.
J' MAMIT \	✓ Fertilizer application in split dose of
AIZAVIL.	recommended dose.
))	✓ Harvest fruits when the flower tips of the
	fruit dehiscent.
Pineapple Vegetative stage	o Clean the vicinity of plants by weeding and
	loosen up the soil.
	o Remove slips and use it as a new planting
	material.
(~~SE	ERCHHIPO Sucker dipping treatment with Bavistin @
	3g + Chloropyriphos @ 1 g/lt of water to
	protect against soil borne disease and
	insect,
	Weeding and intercultural operation.
Cucurbits Vegetative stage LUNGLEI	Nursery raising for offseason cucurbits.
Damping of	off Seed treatment with thiram 3g/kg seed or
	Trichoderma viride 4g+ metalaxyl 4g
3/15	(Apron)/ kg seed
	Drenching 1% Bordeaux mixture or 2 g
	captan or 3 copper oxychloride/ lt of water
	at 10-15 DAS are effective.
Brinjal Vegetative stage	• Weeding near the plant
	* Fertilizer application in split dose of
LAWNGTLAU	recommended dose
1	 Draining of excess water and preparation
	mound near the base.
Disea se:	Seed treatment with captan, thiram or

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		Da <mark>m</mark> ping off-	chlorothalonil will effectively control this
			disease.
		Pest:	 Sulfur fungicides can be used to control
	- 7	Mites and hoppers-	this pest.
Cowpea	Vegetative stage	5	Trilling into bower structure.
		KOLASIB	Weeding near the plant
	5	la S	Draining of excess water and preparation mound near the base.
	5	Sca <mark>b and leaf blig</mark> ht	✓ Use of resistant varieties.
		disease	
Early Cole crop	Nursery stage	Land preparation	✓ Nursery preparation for cabbage,
	\$		cauliflower, broccoli and knolkhol.
	7 MAMIT	1	Raised bed, nursery bed solarisation.
	5	& AIZAVIL 1	Bed should be 1m width and
			conventional length.
)	3	Application of FYM (1.5-2.0 kg/ m ²)
	1	Di	Line sowing of seeds (7-10cm)
) &	Damping off	✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g
	A 5		(Apron)/ kg seed
		SERCHH	
		() - () -	captan or 3 copper oxychloride/ lt of water
	· l		at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @100g/m² in
		112070002 07 000 11225	nursery is quite effective.
Ginger &	Vegetation stage	LUNGLEI	✓ Weeding in turmeric and ginger field.
Turmeric		Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of
	L.	blotch	water or Bavistin @ 1g/litre of water, 2-3
		Dioten	sprayings should be given forthnightly
		1 2 A	intervals.
		3	O Spraying of Blitox @ 3 g/l of water was
			found effective against leaf spot.
Maize	Flowering stage		✓ Weeding in maize plot
	8 8	LAWNGTLAN	✓ Topdressing with urea fertilizer.
		Pest: SAIHA	
		Corn earworm	of the ear and any affected kernels. The rest
		1	of should be fine to eat.
		and the last	

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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



			- Crop rotation with leguminous crop.
		Birds	- Reflecting tape poly propylene metallic
	57		shine tape and the other silver that reflects sunlight causing flashing effect is effective in scaring birds.
		KOLASIB	- Automatic acetylene exploders or birds scaring gun that produce periodically loud
	3	1	noise have been suggested.
Rice	Flowering Stage		✓ One hand weed will require. ✓ Application of split dose of Urea.
	} MAMIT	Rice Stem borer	 Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
		Gundhi bug	 Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml Insecticide application should be done if the population reaches ETL of 1 nymph or adult/ hill.
	1	Leaf blast SERCHHI	 Judicious application of nitrogenous fertilizer. Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccid iosis	1. Amprolium or coccidiostat

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



Dated: 5th September, 2014

District: Lunglei Period: 6-10 September, 2014

Bulletin No: -447/2014/ Bulletin/English

Parameters	06-09-2014	07-09-2014	08-09-2014	09-09-2014	10-09-2014
Rainfall (mm)	0	0	6	7	3
Max Temp (oC)	31	32	34	33	30
Min Temp (oC)	21	20	20	21	19
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly clear	Mainly clear	Mainly clear
Max RH (%)	100	100	100	100	99
Min RH (%)	64	78	51	64	63
Wind Speed (KmpH)	3	4	3	3	4
Wind Direction	E	E	E	S	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 372.1mm Champhai- 329.7mm Mamit-376.0 mm Aizawl-378.0mm (19.16) (-28.00) (-20.69) (7.33)

Serchhip- 166.7 mm Lawngtalia- 365.4 mm Lunglei- 371.4 mm Chhimtuipui- 367.8 mm (-32.04) (-64.68) (-16.55) (-32.04)

Weather sum	mary of the p <mark>ast</mark>	Weather forecast valid from 06 th September, 2014 To 10 th			
thre	e days		September, 2014.		
		There is a chance of light rainfall during the next 3 day. The maximum and minimum temperatures for the next 5 days may range for 30-34°C and 19-21°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 51-78%. Wind direction would be easterly and southeasterly with the wind speed of 3-4 km per hour. Moderate cloudy sky weather will prevail during the next five days. *Weekly cumulative rainfall: 16.0mm*			
Main Crop/ Stage Animal		Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories		
/Fisheries / SAIHA			\		
Khasi	Vegetative stage	Can ker	 Prune the diseased and dead twigs. 		
Mandarin		l s	• Wound dressing with Bordeaux paste and		

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Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



			mulch with dry grass to conserve moisture
		1	and suppress the growth of weed.
			• For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.
	3 1	1	• Excess water removes from the base of the
		Variation 1	plant.
Banana	Vegetative/	KOLASIB	Remove water sucker, keep 1 or 2 plants in a
Danana	harvesting	LA.	single place.
	nai vesting	3 1 /	✓ Remove sword sucker and use it as new
	(planting material.
	1		✓ Excess water removes from the base of the
	J	/ 3	plant.
	7 MAMIT		✓ Fertilizer application in split dose of
	6	1.17.000	recommended dose.
		AIZAVVL	✓ Harvest fruits when the flower tips of the
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1	fruit dehiscent.
Pineapple	Vegetative stage		o Clean the vicinity of plants by weeding and
	\	() >0	loosen up the soil.
	1		o Remove slips and use it as a new planting
	12		material.
		SERCHI	Sucker dipping treatment with Bavistin @
		V 1-3	3g + Chloropyriphos @ 1 g/lt of water to
	The state of the s	5	protect against soil borne disease and
			insect.
Cucurbits	Vogototivo stago	1000 C 10	 Weeding and intercultural operation. Nursery raising for offseason cucurbits.
Cucurbits	Vegetative stage	LUNGLEI	
	1	Damping off	✓ Seed treatment with thiram 3g/kg seed or
	L.	~ 8×	Trichoderma viride 4g+ metalaxyl 4g
	S11		(Apron)/ kg seed
		() () () () () ()	Drenching 1% Bordeaux mixture or 2 g
		8 1 5 7 3	captan or 3 copper oxychloride/ lt of water
D : 1 1	T 7 4 4 • 4		at 10-15 DAS are effective.
Brinjal	Vegetative stage		Weeding near the plant
		LAWNGTLAN	Fertilizer application in split dose of recommended dose.
		/ SAIH	 Draining of excess water and preparation
			mound near the base.
		Disease:	o Seed treatment with captan, thiram or
	1	Z.Seupe.	2 2500 troutilent with cuptain, till of

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		Da <mark>m</mark> ping off-	chlorothalonil will effectively control this
			disease.
		Pest:	 Sulfur fungicides can be used to control
	- \ \ \ \ \	Mites and hoppers-	this pest.
Cowpea	Vegetative stage	KOLASIB	 Trilling into bower structure. Weeding near the plant Draining of excess water and preparation mound near the base.
	\$	Sca <mark>b and leaf blig</mark> ht disease	✓ Use of resistant varieties.
Early Cole crop	Nursery stage	Land preparation	 ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. ♣ Raised bed, nursery bed solarisation. ♣ Bed should be 1m width and conventional length. ♣ Application of FYM (1.5-2.0 kg/ m²) ♣ Line sowing of seeds (7-10cm)
		Damping off SERCHH	captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @100g/m² in nursery is quite effective.
Ginger & Turmeric	Vegetation stage	LUNGLEI	✓ Weeding in turmeric and ginger field.
		Leaf spot and leaf blotch	 Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.
Maize	Flowering stage	LAWNGTLAN	✓ Weeding in maize plot✓ Topdressing with urea fertilizer.
		Pest: SAIHA Corn earworm	

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



			- Crop rotation with leguminous crop.
		Birds	- Reflecting tape poly propylene metallic
	5	1	shine tape and the other silver that reflects sunlight causing flashing effect is effective
	1 1-2	5	in scaring birds.
		KOLASIB	- Automatic acetylene exploders or birds
	1		scaring gun that produce periodically loud
	1	(A)	noise have been suggested.
Rice	Flowering Stage		✓ One hand weed will require.
	1	STATE	✓ Application of split dose of Urea.
		Rice Stem borer	Destroy egg masses.
	3 MAMIT		 Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
	8	Gundhi bug	Spray monocrotophos 36 WSC @ 1.5 ml/lt
		A	or endosulfan 35 EC @ 1.5 ml/ml
)	1	• Insecticide application should be done if the
	4		population reaches ETL of 1 nymph or
) &	Leaf blast	adult/ hill. Judicious application of nitrogenous
	1 5	Lear brast	Judicious application of nitrogenous fertilizer.
		SERCHHI	
		V-7	or edifenphos @ 1ml/lt when first symptom
	1		are notice.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	12
	-	Syndrome (PRRS).	T.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
		A	months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every 6
	T 7	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
			Primary vaccination 6 month or above
Doultwr	A dult atoms	Danible Disease	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat
	Larry stage	Cocciuiosis	1. Timpronum of coccidiosiai

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



Dated: 5th September, 2014

District: Lawngtalai Period: 6-10 September, 2014

Bulletin No: -447/2014/ Bulletin/English

Parameters	06-09-2014	07-09-2014	08-09-2014	09-09-2014	10-09-2014
Rainfall (mm)	0	0	4	16	9
Max Temp (oC)	30	30	32	30	29
Min Temp (oC)	21	21	21	21	20
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly clear	Mainly clear
Max RH (%)	98	98	98	98	98
Min RH (%)	77	76	67	78	67
Wind Speed (KmpH)	5	4	4	5	5
Wind Direction	E	E	E	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 372.1mm Champhai- 329.7mm Mamit-376.0 mm Aizawl-378.0mm (19.16) (-28.00) (-20.69) (7.33)

Serchhip- 166.7 mm (-32.04) Lawngtalia- 365.4 mm Lunglei- 371.4 mm (-16.55) Chhimtuipui- 367.8 mm (-32.04)

Weather summary of the past three days

Weather forecast valid from 06th September, 2014 To 10th September, 2014.

There is a chance of moderate to light rainfall during the next 3 day. The maximum and minimum temperatures for the next 5 days may range for 29-32°C and 20-21°C. Maximum relative humidity is expected in the range of 98% and minimum may from 67-78%. Wind direction would be southeasterly with the wind speed of 4-5 km per hour. Moderate cloudy sky weather will prevail during the next five days.

Weekly cumulative rainfall: 29.0mm

Main Crop/
Animal
/Fisheries

Khasi
Mandarin

Stage

Cultural practices/
Pest/ Diseases

Canker

Prune the diseased and dead twigs.

Wound dressing with Bordeaux paste and

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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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			mulch with dry grass to conserve moisture
			and suppress the growth of weed.
			• For canker, spray streoptomycin 2g +
		/	copperoxycholoride 8 g /10 lt of water.
	3 1	2	• Excess water removes from the base of the
		KOLASIB	plant.
Banana	Vegetative/	RULASIB \	✓ Remove water sucker, keep 1 or 2 plants in a
Danana	harvesting	LA AN	single place.
	nui vesting	3 1	✓ Remove sword sucker and use it as new
	/		planting material.
	1		✓ Excess water removes from the base of the
	J		plant.
	7 MAMIT		✓ Fertilizer application in split dose of
	ζ	AIZAVIL	recommended dose.
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	CHIGHNAL	✓ Harvest fruits when the flower tips of the
)	fruit dehiscent.
Pineapple	Vegetative stage	1 -3.17	o Clean the vicinity of plants by weeding and
		() >0	loosen up the soil.
	1 0		o Remove slips and use it as a new planting
	13		material.
		SERCHH	TT 8
	N N	V (3g + Chloropyriphos @ 1 g/lt of water to
	3		protect against soil borne disease and
			insect.
C h:4	X74-4:4		o Weeding and intercultural operation.
Cucurbits	Vegetative stage	LUNGLEI	Nursery raising for offseason cucurbits.
	(Damping off	✓ Seed treatment with thiram 3g/kg seed or
	L.	E~	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
		1 5 7	at 10-15 DAS are effective.
Brinjal	Vegetative stage		• Weeding near the plant
		LAWNGTLAND	Fertilizer application in split dose of
		/ SAIHA	recommended dose.
			• Draining of excess water and preparation
		Disease:	mound near the base. O Seed treatment with captan, thiram or
		Discase.	5 Seed Headinent with Captan, unrain of

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		Da <mark>mp</mark> ing off-	chlorothalonil will effectively control this
			disease.
		Pest:	 Sulfur fungicides can be used to control
	- 7	Mites and hoppers-	this pest.
Cowpea	Vegetative stage	KOLASIB	 Trilling into bower structure. Weeding near the plant Draining of excess water and preparation
)	A. A.	mound near the base.
	}	Sca <mark>b and leaf blig</mark> ht disease	✓ Use of resistant varieties.
Early Cole crop	Nursery stage	Land preparation	 ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. ♣ Raised bed, nursery bed solarisation. ♣ Bed should be 1m width and conventional length. ♣ Application of FYM (1.5-2.0 kg/ m²) ♣ Line sowing of seeds (7-10cm)
		Damping off SERCHH	captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
	1	Mustard sawfly	✓ Application of carbofuran 3G @100g/m² in nursery is quite effective.
Ginger & Turmeric	Vegetation stage	LUNGLEI	✓ Weeding in turmeric and ginger field.
	}	Leaf spot and leaf blotch	 Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.
Maize	Flowering stage	LAWNGTLAN	✓ Weeding in maize plot✓ Topdressing with urea fertilizer.
		Pest: SAIHA Corn earworm	

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			- Crop rotation with leguminous crop.
		Birds	- Reflecting tape poly propylene metallic
	5	1	shine tape and the other silver that reflects sunlight causing flashing effect is effective
	1		in scaring birds.
	27.0	KOLASIB .	- Automatic acetylene exploders or birds
	4		scaring gun that produce periodically loud
	- / .	(4)	noise have been suggested.
Rice	Flowering Stage		✓ One hand weed will require.
	1	Di Cu	✓ Application of split dose of Urea.
		Rice Stem borer	Destroy egg masses.
	3 MAMIT		 Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
		Gundhi bug	Spray monocrotophos 36 WSC @ 1.5 ml/lt
			or endosulfan 35 EC @ 1.5 ml/ml
		1	• Insecticide application should be done if the
	4	1 100	population reaches ETL of 1 nymph or
) &	Leaf blast	adult/ hill. Judicious application of nitrogenous
	1	Lear brast	Judicious application of nitrogenous fertilizer.
		SERCHHI	
			or edifenphos @ 1ml/lt when first symptom
	1		are notice.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	12
	>	Syndrome (PRRS).	ſ
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	1		months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every 6
	1	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
		Y	Primary vaccination 6 month or above
T	A 7 7: :	Lavarances	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B
	Translation of the second		vaccine for addit offds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat

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